

Amendments to the Specification:

Please amend the specification as follows:

[0012] Referring to FIGS. 1 and 2, the image sensor module 20 includes a camera lens 21, an infrared septum film 22, and an image sensor 23.

[0014] The infrared septum film 22 is plated on a surface of the mounting part 213 for filtering out infrared noise. A face of the mounting part 213 can be made planar to ease attachment of the infrared septum film 22 thereon.

[0016] In assembly, the camera lens 21 with the infrared septum film 22 assembled thereon, is attached to the image sensor 23, with the infrared septum film 22 facing the several sensitization elements 232. A distance between the camera lens 21 and the image sensor 23 is set to equal the focal length of the lens part 212. Then, the mounting part 213 of the camera lens 21 is fixed to the image sensor 23 using hot mold glue 80, such as 353ND epoxy. This kind of glue is more fit for maintaining the optical stability of the digital camera, and can assure that the several sensitization elements 232 get more optical signals.

[0017] When the digital camera 10 is in operation, optical signals for the object first come into the camera lens 21 through the shutter (not shown), and are then focused on the sensitization elements 232 of the image sensor 23. At the same time the infrared noise will be eliminated by the infrared septum film 22. Second, the optical signals will be transformed to analog signals by the image sensor 23, and then will be transformed to digital signals by the DSP 30. Next, the color reproduction processing will be done by the MCU 40, including automatical focusing, automatical exposal and white balance, and so on. Finally the reproduced image will be stored in the DRAM 50 or will be put

out through the output apparatus 60.

[0018] The digital camera 10 in accordance with the above description can be reduced in size compared with current technology by using the non-spherical camera lens 21 and plating an infrared septum film 22 directly on the camera lens' 21 planar surface. This arrangement allows either a lens-holding apparatus or a baseboard to be omitted. And since the camera lens 21 with the non-spherical surface will not suffer from optical aberration, the optical capability of the digital camera will also be improved.